Performance Data Sheet

HGA5485BAA

General Information

Model	HGA5485BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	4870			
	Watts (Power)				
	Amps	5.29			
	Lb/h	66.8			
-23.3	Btu/h	5010	5330		
	Watts (Power)				
	Amps	5.31	5.00		
	Lb/h	68.6	73.0		
-20	Btu/h	5290	5280		
	Watts (Power)				
	Amps	5.36	5.16		
	Lb/h	72.5	72.4		
-15	Btu/h	5800	5410	5640	
	Watts (Power)	159	225	299	
	Amps	5.43	5.40	6.18	
	Lb/h	79.5	74.1	77.3	
-10	Btu/h	6430	5780	5600	5940
	Watts (Power)	399	476	559	666
	Amps	5.46	5.62	6.54	7.57
	Lb/h	88.1	79.2	76.7	81.4
-6.7	Btu/h	6920	6180	5800	5830
	Watts (Power)	493	577	668	782
	Amps	5.46	5.74	6.75	7.86
	Lb/h	94.8	84.7	79.4	79.9
-5	Btu/h	7190	6440	5970	5870
	Watts (Power)	525	613	708	825
	Amps	5.45	5.79	6.86	8.00
	Lb/h	98.6	88.2	81.8	80.4
0	Btu/h	8130	7390	6780	6360
	Watts (Power)	565	668	777	906
	Amps	5.35	5.88	7.11	8.36
	Lb/h	111	101	92.9	87.2

5	Btu/h	9250	8670	8050	7460
	Watts (Power)	551	671	795	939
	Amps	5.17	5.89	7.27	8.65
	Lb/h	127	119	110	102
7.2	Btu/h	9810	9340	8760	8140
	Watts (Power)	536	663	795	946
	Amps	5.05	5.86	7.31	8.74
	Lb/h	134	128	120	111
10	Btu/h	10600	10300	9810	9180
	Watts (Power)	514	652	793	954
	Amps	4.86	5.78	7.33	8.83
	Lb/h	145	141	134	126
15	Btu/h	12200	12300	12100	11500
	Watts (Power)	483	641	802	982
	Amps	4.41	5.54	7.25	8.89
	Lb/h	167	169	165	158

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.036153E+04	1.308210E+02	1.456077E+01	1.419575E+02
C2	-5.048923E+01	-8.581265E+00	-1.857747E-01	-6.916838E-01
C3	-6.084792E+01	2.078186E+01	-7.090854E-01	-8.346204E-01
C4	-4.377653E+00	-1.208291E+00	-2.203112E-03	-6.000011E-02
C5	1.350698E+01	3.669654E-01	6.361119E-03	1.850390E-01
C6	-8.157203E-01	-2.890137E-01	1.671681E-02	-1.115405E-02
C7	3.287263E-02	4.067342E-02	-2.901774E-05	4.501757E-04
C8	2.724080E-01	4.053317E-03	9.196029E-06	3.732522E-03
C9	-1.670708E-01	-8.584863E-04	-3.601853E-05	-2.288898E-03
C10	1.198764E-02	2.634837E-03	-1.103316E-04	1.640945E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature